

Title (en)

Screw rotor pump

Title (de)

Schraubenspindelpumpe

Title (fr)

Pompe à rotors à vis

Publication

EP 0727581 A1 19960821 (DE)

Application

EP 96105318 A 19910307

Priority

- DE 4007273 A 19900308
- EP 91710004 A 19910307

Abstract (en)

The screw spindle pump has a drive spindle and at least one running spindle. They are mounted in the recess of a housing between a suction chamber and a pressure chamber. The pressure-side profile run-out of the spindle (14) is conically turned at the OD (d) and the angle of inclination (w) of the conical surface (43) lies below 10 deg.

Abstract (de)

Bei einer Schraubenspindelpumpe mit einer Antriebsspindel (14) und wenigstens einer Laufspindel, die in einer Ausnehmung eines sie umgebenden Gehäuses zwischen einem Saugraum und einem Druckraum gelagert sind, ist die Zahndicke (b) der Antriebsspindel (14) zu ihrem Profilauslauf hin vermindert. <IMAGE>

IPC 1-7

F04C 2/16; **F04C 15/00**

IPC 8 full level

F04C 2/16 (2006.01); **F04C 2/08** (2006.01); **F04C 14/00** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP KR US)

F04C 2/084 (2013.01 - EP US); **F04C 15/0049** (2013.01 - EP US); **F04C 18/16** (2013.01 - KR)

Citation (search report)

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